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3.0 REMEDIAL INVESTIGATION (RI)

3. 2 Sampling and Analysis Data

- Memorandum from Dan Thoman, EPA Region IV, to Luis Flores, EPA Region IV regarding review of Toxaphene Analysis Data. (March 06, 1997)
- Facsimile Transmittal from Thomas Mann, Rust Environment & Infrastructure, to Luis Flores, EPA Region 4, transmitting the Well Development Log and Sampling Field Log for the 10/10/96 sampling of RT-MW-04. (March 17, 1997)
- Facsimile Transmittal from Lorraine Pearsall, The Weinberg Group, to Luis Flores, EPA Region 4, transmitting the chromatographs from 2/95 for the Toxaphene standards for MW-04. (March 18, 1997)
- Memorandum from Gary Bennett, EPA Region IV, to Luis Flores, EPA Region IV regarding review of Toxaphene Analysis Data Review, Monitoring Well RT-MW-04. (April 09, 1997)
- Letter from M. Todd Scott and Thomas Mann, Rust Environment & Infrastructure, to Luis Flores, EPA Region 4, concerning the results of the data review performed for Toxaphene analysis for sample RT-MW-04, collected 2/1/95. (April 21, 1997)

3. 7 Applicable or Relevant and Appropriate Requirements (ARARs)

- 1. Cross Reference: Letter from Stuart Matthews, Rust Environment & Infrastructure, to Randy McElveen, State of North Carolina Department of Environment, Health, and Natural Resources, concerning concentrations of Iron and Manganese detected in groundwater in the McIver Dump and Route 211 areas, and NCDEHNR's established groundwater standards. (October 11, 1995) [Filed and cited in Entry Number 1 of 3.10 REMEDIAL INVESTIGATION (RI) Remedial Investigation (RI) Reports]
- Cross Reference: Letter from Randy McElveen, State of North Carolina Department of Environment, Health, and Natural Resources, to Julie Keller, EPA Region 4, agreeing with EPA and Rust Environment & Infrastructure that inorganic contaminants at the subject areas (Route 211 and McIver Dump) are not contaminants of concern. (October 13, 1995) [Filed and cited in Entry Number 2 of 3.10 REMEDIAL INVESTIGATION (RI) Remedial Investigation (RI) Reports]
- 3. Cross Reference: Letter from Julie Keller, EPA Region 4, to Harold Moats, Ciba-Geigy Corporation, concurring with NCDEHNR's position regarding metals at the McIver Dump and Route 211 areas. (February 12, 1996) [Filed and cited in Entry Number 3 of 3.10 REMEDIAL INVESTIGATION (RI) Remedial Investigation (RI) Reports]
- 4. Letter from Randy McElveen, North Carolina Department of Environment and Natural Resources, to Luis Flores, EPA Region IV. Follow up to conference calls on March 11 and 13 regarding state requirements for providing public notification of proposed corrective action. (March 23, 1998)
- Letter from Randy McElveen, North Carolina Department of Environment and Natural Resources, to Arthur Mouberry, North Carolina Department of Environment and Natural Resources. Regarding Public Notification Requirements, NCAC 2L Groundwater Standards, Section .0114. (April 24, 1998)

6. Memorandum from Arthur Mouberry, North Carolina Department of Environment and Natural Resources, to Randy McElveen, North Carolina Department of Environment and Natural Resources. Regarding public notification requirements and approval of request to substitute door-to-door visits for certified mail notices. (May 04, 1998)

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3.0 REMEDIAL INVESTIGATION (RI)

3.10 Remedial Investigation (RI) Reports

- Letter from Stuart Matthews, Rust Environment & Infrastructure, to Randy McElveen, State of North Carolina Department of Environment, Health, and Natural Resources, concerning concentrations of Iron and Manganese detected in groundwater in the McIver Dump and Route 211 areas, and NCDEHNR's established groundwater standards. (October 11, 1995)
- Letter from Randy McElveen, State of North Carolina Department of Environment, Health, and Natural Resources, to Julie Keller, EPA Region 4, agreeing with EPA and Rust Environment & Infrastructure that inorganic contaminants at the subject areas (Route 211 and McIver Dump) are not contaminants of concern. (October 13, 1995)
- Letter from Julie Keller, EPA Region 4, to Harold Moats, Ciba-Geigy Corporation, concurring with NCDEHNR's position regarding metals at the McIver Dump and Route 211 areas. (February 12, 1996)
- 4. Letter from Luis Flores, EPA Region 4, to Harold Moats, Ciba-Geigy Corporation, concerning EPA's comments and disapproval of the Remedial Investigation Reports for the Route 211 area dated 12/96 and for the McIver area dated 4/96. (January 27, 1997)
- 5. Letter from Randy McElveen, State of North Carolina Department of Environment, Health, and Natural Resources, to Luis Flores, EPA Region 4, transmitting comments on the Remedial Investigation Report dated 12/6 for the Route 211 area. (February 12, 1997)
- 6. Letter from Thomas Mann, Rust Environment & Infrastructure, to Luis Flores, EPA Region 4, concerning transmittal of responses to EPA and NCDEHNR comments to the draft Remedial Investigation Reports of the Route 211 area (12/96) and the McIver Dump area (4/96). (February 18, 1997)
- 7. Response to USEPA comments dated 1/27/97 on the draft Remedial Investigation Report Route 211 area (12/96) and the Remedial Investigation Report McIver Dump area (4/96) McIver Dump and Route 211 areas Operable Unit 5 Aberdeen Pesticide Dumps Site Moore County, North Carolina, Rust Environment & Infrastructure. (February 18, 1997)
- 8. Letter from Luis Flores, EPA Region 4, to Harold Moats, Novatis Crop Protection, Inc., concerning comments on the responses to Remedial Investigation comments dated 2/18/97 for the Route 211 and McIver areas, and disapproval of the RI submission. (April 18, 1997)
- Letter from Thomas Mann, Rust Environment & Infrastructure, to Luis Flores, EPA Region 4, concerning transmittal of responses to EPA comments dated 4/18/97 regarding the draft Remedial Investigation Report of the Route 211 and McIver Dump areas. (April 30, 1997)
- Letter from Luis Flores, EPA Region 4, to Harold Moats, Novatis Crop Protection, Inc., concerning comments to responses dated 4/30/97 and approval of the Remedial Investigation Report. (June 02, 1997)
- A letter from Thomas Mann, Rust Environment & Infrastructure, to Luis Flores, EPA Region 4, concerning transmittal of the final Remedial Investigation Report of the Route 211 and Molver Dump areas. (June 09, 1997)
- 12. Final Remedial Investigation Report Aberdeen Pesticide Dumps Site Operable Unit 5 McIver Dump and Route 211 Areas Aberdeen, North Carolina Volume I of VI, Rust Environment & Infrastructure. (June 09, 1997)
- Final Remedial Investigation Report Aberdeen Pesticide Dumps Site Operable Unit 5 McIver Dump and Route 211 Areas - Aberdeen, North Carolina - Volume II of VI, Rust Environment & Infrastructure. (June 09, 1997)

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3.0 REMEDIAL INVESTIGATION (RI)

3.10 Remedial Investigation (RI) Reports

- 14. Final Remedial Investigation Report Aberdeen Pesticide Dumps Site Operable Unit 5 McIver Dump and Route 211 Areas Aberdeen, North Carolina Volume III of VI, Rust Environment & Infrastructure. (June 09, 1997)
- 15. Final Remedial Investigation Report Aberdeen Pesticide Dumps Site Operable Unit 5 McIver Dump and Route 211 Areas Aberdeen, North Carolina Volume IV of VI, Rust Environment & Infrastructure. (June 09, 1997)
- 16. Final Remedial Investigation Report Aberdeen Pesticide Dumps Site Operable Unit 5 McIver Dump and Route 211 Areas Aberdeen, North Carolina Volume V of VI, Rust Environment & Infrastructure. (June 09, 1997)
- 17. Final Remedial Investigation Report Aberdeen Pesticide Dumps Site Operable Unit 5 McIver Dump and Route 211 Areas Aberdeen, North Carolina Volume VI of VI, Rust Environment & Infrastructure. (June 09, 1997)

3.11 Health Assessments

 Letter from Thomas A. Mann, Rust Environment & Infrastructure Inc., to Luis Flores, EPA Region IV. Regarding comments to NCDEHNR proposed health-based groundwater concentrations. (June 18, 1997)

3.12 Endangerment Assessments

- 1. A letter from Lorraine Pearsall, The Weinberg Group Inc., to Julie Keller, EPA Region 4, transmitting the comments on preliminary tables from the OU5 Groundwater Risk Assessment. (August 29, 1995)
- Comments on the Draft Tables from the OU5 Groundwater Risk Assessment for the Route 211 and McIver Dump Areas, The Weinberg Consulting Group Inc. (August 29, 1995)
- Letter from Thomas Mann, Rust Environment & Infrastructure, to Luis Flores, EPA Region 4, transmitting the Toxaphene analysis data review for groundwater collected from Monitoring Well RT-MW-04. (February 25, 1997)
- Memo from Dan Thomas, Science and Ecosystem Support Division, to Luis Flores, EPA Region 4, transmitting comments on the Toxaphene analysis data review. (March 06, 1997)
- 5. Cross Reference: Facsimile Transmittal from Thomas Mann, Rust Environment & Infrastructure, to Luis Flores, EPA Region 4, transmitting the Well Development Log and Sampling Field Log for the 10/10/96 sampling of RT-MW-04. (March 17, 1997) [Filed and cited in Entry Number 2 of 3. 2 REMEDIAL INVESTIGATION (RI) Sampling and Analysis Data]
- 6. Cross Reference: Facsimile Transmittal from Lorraine Pearsall, The Weinberg Group, to Luis Flores, EPA Region 4, transmitting the chromatographs from 2/95 for the Toxaphene standards for MW-04. (March 18, 1997) [Filed and cited in Entry Number 3 of 3. 2 REMEDIAL INVESTIGATION (RI) Sampling and Analysis Data]
- 7. Memo from Gary Bennett, Science and Ecosystem Support Division, to Luis Flores, EPA Region 4, transmitting comments on the Toxaphene analysis data review, Monitoring Well RT-MW-04. (April 09, 1997)

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3.0 REMEDIAL INVESTIGATION (RI)

3.12 Endangerment Assessments

- 8. Memo from Luis Flores, EPA Region 4, to File documenting decisions for the BRA: 1) approval of the use of OPP-RfD to calculate the non-carcinogenic risk for gamma-BHC and delta-BHC; 2) Toxaphene will not be included as a contaminant of concern in the BRA, but the ROD will include language ensuring confirmation sampling. (April 16, 1997)
- Cross Reference: Letter from M. Todd Scott and Thomas Mann, Rust Environment & Infrastructure, to Luis Flores, EPA Region 4, concerning the results of the data review performed for Toxaphene analysis for sample RT-MW-04, collected 2/1/95. (April 21, 1997) [Filed and cited in Entry Number 5 of 3. 2 REMEDIAL INVESTIGATION (RI) - Sampling and Analysis Data]
- "Revised Final Baseline Risk Assessment for the Aberdeen Pesticide Dump Site, OU #5, Aberdeen, North Carolina," prepared by CDM Federal Programs Corporation. (October 14, 1997)
- Memorandum from Luis Flores, EPA Region IV, to Elmer Aiken, EPA Region IV. Regarding revised Final Baseline Risk Assessment. (October 21, 1997)
- Memorandum from Kevin P. Koporec, EPA Region IV, to Luis Flores, EPA Region IV. Regarding review of the Final Baseline Risk Assessment. (December 15, 1997)
- A letter from Luis Flores, EPA Region IV, to Randy McElveen, North Carolina Department of Environment and Natural Resources. Regarding the Final Baseline Risk Assessment. (March 06, 1998)
- Letter from Luis Flores, EPA Region IV, to Harold W. Moats, Novartis Corp. Protection, Inc. Regarding Final Baseline Risk Assessment. (March 06, 1998)

4.0 FEASIBILITY STUDY (FS)

4. 9 Feasibility Study (FS) Reports

- Letter from Randy McElveen, North Carolina Department of Environment and Natural Resources, to Julie Keller, EPA Region IV. Regarding comments on Draft Feasibility Study Report. (April 22, 1996)
- Letter from Julie Keller, EPA Region IV, to Harold W. Moats, Ciba-Geigy Corporation. Regarding EPA disapproval of the Draft Feasibility Study Report. (April 24, 1996)
- Letter from Thomas A. Mann, Rust Environment & Infrastructure Inc., to Julie Keller, EPA Region IV. Regarding response to EPA comments of 4/24/96. (May 10, 1996)
- Letter from Thomas A. Mann, Rust Environment & Infrastructure Inc., to Luis Flores, EPA Region IV. Regarding submittal of the Draft Feasibility Study Report. (April 01, 1997)
- Letter from Thomas A. Mann, Rust Environment & Infrastructure Inc., to Luis Flores, EPA Region IV. Regarding submittal of updates to Draft Feasibility Study Report. (April 17, 1997)
- 6. Memorandum from William N. O'Steen, EPA Region IV, to Luis Flores, EPA Region IV. Regarding review of the Draft Feasibility Study Report. (April 18, 1997)
- 7. Letter from Luis Flores, EPA Region IV, to Harold W. Moats, Novartis Corp. Protection, Inc. Regarding disapproval of the Draft Feasibility Study Report of 4/1/97. (April 21, 1997)
- Letter from Luis Flores, EPA Region IV, to Harold W. Moats, Novartis Corp. Protection, Inc. Regarding EPA comments on the disapproved Draft Feasibility Study Report. (April 24, 1997)

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4.0 FEASIBILITY STUDY (FS)

4. 9 Feasibility Study (FS) Reports

- Letter from Luis Flores, EPA Region IV, to Harold W. Moats, Novartis Corp. Protection, Inc. Regarding EPA comments on the updates to the Draft Feasibility Study Report. (May 08, 1997)
- Memorandum from William N. O'Steen, EPA Region IV, to Luis Flores, EPA Region IV. Regarding review of the Draft Feasibility Study Report updates. (May 08, 1997)
- Letter from Thomas A. Mann, Rust Environment & Infrastructure Inc., to Luis Flores, EPA Region IV. Regarding response to comments on the Draft Feasibility Study Report. (May 16, 1997)
- Letter from Thomas A. Mann, Rust Environment & Infrastructure Inc., to Luis Flores, EPA Region IV. Regarding omitted figures for response to comments on Draft Feasibility Study Report. (May 20, 1997)
- 13. Memorandum from William N. O'Steen, EPA Region IV, to Luis Flores, EPA Region IV. Regarding response to comments on the draft Feasibility Study Report dated 4/24/97. (May 28, 1997)
- Memorandum from Kevin Koporec, EPA Region IV, to Luis Flores, EPA Region IV. Regarding review of the draft Feasibility Study Report. (May 30, 1997)
- Letter from Thomas A. Mann, Rust Environment & Infrastructure Inc., to Luis Flores, EPA Region IV. Regarding revisions to the updated Feasibility Study and response to EPA comments of May 8th. (June 06, 1997)
- 16. Letter from Luis Flores, EPA Region IV, to Harold W. Moats, Novartis Corp. Protection, Inc. Regarding EPA comments on the draft Feasibility Study Report. (June 09, 1997)
- Letter from Luis Flores, EPA Region IV, to Harold W. Moats, Novartis Corp. Protection, Inc.
 Regarding comments on the Feasibility Study and the Baseline Risk Assessment. (June 09, 1997)
- Letter from Luis Flores, EPA Region IV, to Harold W. Moats, Novartis Corp. Protection, Inc. Regarding memo of 4/24/97 addressing the responses to comments. (June 09, 1997)
- Letter from Thomas A. Mann, Rust Environment & Infrastructure Inc., to Luis Flores, EPA Region IV. Regarding response to June 9th EPA comments on Draft Feasibility Study Report. (June 27, 1997)
- 20. Memorandum from William N. O'Steen, EPA Region IV, to Luis Flores, EPA Region IV. Regarding revised Draft Feasibility Study Report and response to comments dated 5/8/97. (July 01, 1997)
- 21. Letter from Randy McElveen, North Carolina Department of Environment and Natural Resources, to Luis Flores, EPA Region IV. Regarding comments on PRP's response to Draft Feasibility Study Report. (July 08, 1997)
- 22. Letter from Randy McElveen, North Carolina Department of Environment and Natural Resources, to Luis Flores, EPA Region IV. Regarding comments on PRP's response to 6/9/97 EPA comments. (August 06, 1997)
- 23. Facsimile transmittal from Tom Mann, Rust Environment & Infrastructure Inc., to Luis Flores, EPA Region IV. Regarding draft responses to the final comments to the Feasibility Study Report. (March 30, 1998)
- 24. Letter from Thomas A. Mann, Rust Environment & Infrastructure Inc., to Luis Flores, EPA Region IV. Regarding response to EPA and State comments on Draft Feasibility Study Report. (April 10, 1998)
- 25. Letter from Thomas A. Mann, Rust Environment & Infrastructure Inc., to Luis Flores, EPA Region IV. Regarding final version of the Draft Feasibility Study report. (April 22, 1998)

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4.0 FEASIBILITY STUDY (FS)

4. 9 Feasibility Study (FS) Reports

- 26. "Final Feasibility Study Report, Aberdeen Pesticide Dumps Site, Operable Unit 5, McIver Dump and Route 211 Areas, Moore County, North Carolina," prepared by Earth Tech. (December 1998)
- 27. Letter from Thomas A. Mann, Earth Tech, to Luis Flores, EPA Region IV regarding Final Feasibility Study Report. (December 21, 1998)

4.10 Proposed Plans for Selected Remedial Action

- "Superfund Fact Sheet Interim Action Proposed Plan Aberdeen Pesticide Dumps Site Operable Unit #5 - Groundwater Interim Action at the Route 211 Area - Aberdeen, North Carolina," EPA Region 4. (July 02, 1997)
- "Proposed Plan Fact Sheet, Aberdeen Pesticides Dump Site, Operable Unit 5 Groundwater, McIver Dump and Route 211 Areas," prepared by EPA Region IV. (January 1999)

5.0 RECORD OF DECISION (ROD)

5. 1 Correspondence

- Cross-Reference: the STATE CONCURRENCE WITH THE INTERIM ACTION RECORD OF DECISION can be found in the RECORD OF DECISION, Appendix B, pages 5 9 0080 through 5 9 0082. (September 15, 1997) [Filed and Cited as Entry Number 1 in 5.9 RECORD OF DECISION (ROD) - Record of Decision (ROD)].
- Cross-Reference: Letter from Grover Nicholson, North Carolina Department of Environment and Natural Resources, to Luis Flores, EPA Region IV regarding state concurrence with the draft Record of Decision (ROD). (May 25, 1999) [Filed and cited as Appendix B to Entry 2 in 5.9 RECORD OF DECISION (ROD) - Record of Decision (ROD)].

5. 2 Responsiveness Summaries

- Cross-Reference: the RESPONSIVENESS SUMMARY can be found in the RECORD OF DECISION, Appendix A, pages 5 9 0027 through 5 9 0032. (September 16, 1997) [Filed and Cited as Entry Number 1 in 5.9 RECORD OF DECISION (ROD) - Record of Decision (ROD)].
- Cross-Reference: Responsiveness Summary, Aberdeen Pesticides Dump Site, Operable Unit 5, Groundwater, McIver Dump and Route 211 Areas. (June 1999) [Filed and cited as Appendix A to Entry 2 in 5.9 RECORD OF DECISION (ROD) - Record of Decision (ROD)].

5. 9 Record of Decision (ROD)

- "Record of Decision Interim Action Aberdeen Pesticide Dumps Site Operable Unit 5 -Groundwater - Route 211 Area," EPA Region 4. (September 16, 1997)
- "Record of Decision, Aberdeen Pesticide Dumps Site, Operable Unit 5, McIver Dump and Route 211 Areas," EPA Region 4. (June 1999)

13.0 COMMUNITY RELATIONS

13. 1 Correspondence

 A letter from Patrick Jenkins, Caudle & Spears, P.A., to Kay Crane and Luis Flores, EPA Region IV. Regarding Aberdeen town water supply capacity problem. (December 13, 1993)

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13.0 COMMUNITY RELATIONS

13. 1 Correspondence

- Letter from Patrick Jenkins, Caudle & Spears, P.A., to Randy McElveen, North Carolina Department of Environment and Natural Resources. Regarding Aberdeen town water supply capacity problem. (December 13, 1993)
- 3. Memorandum from Randy McElveen, North Carolina Department of Environment and Natural Resources, to File. Regarding telephone conference with Kay Crane, EPA Region IV, about providing assistance to Aberdeen with water problem. (December 21, 1993)
- Letter from Randy McElveen, North Carolina Department of Environment and Natural Resources, to Patrick Jenkins, Caudle & Spears. Regarding options for financial assitance for town water supply capacity problem. (January 11, 1994)
- Letter from Randy McElveen, North Carolina Department of Environment and Natural Resources, to Luis Flores, EPA Region IV. Regarding town of Aberdeen Municipal Wells 12 and 13 and possible water supply shortage. (May 15, 1998)

13. 7 News Clippings and Press Releases

- "Aberdeen Pesticide Dumps Site Update [requesting the public's support by requesting an Interim Action at the site]" MooreFORCE - Southern Pines, NC. (May 1997) NOTE: THIS DOCUMENT APPEARS AFTER THE MEMO DATED 5/16/97 IN THE ADMINISTRATIVE RECORD.
- Facsimile memo from Harold Moats, Novartis Crop Protection, Inc., to Luis Flores, EPA Region 4, transmitting the 5/97 MooreFORCE Newsletter. (May 16, 1997)
- 3. "Interim Record of Decision signed for Groundwater Contamination at Route 211 Operable Unit #5
 Aberdeen Pesticide Dumps Site Aberdeen, North Carolina," EPA Region 4. (October 1997)

13. 8 Public Meetings

- 1. Cross-Reference: the TRANSCRIPT, PUBLIC MEETING ON INTERIM ACTION PROPOSED PLAN FOR GROUNDWATER OPERABLE UNIT 5 AT ROUTE 211 AREA can be found in the RECORD OF DECISION, Attachment D, pages 5 9 0050 through 5 9 0079. (July 10, 1997) [Filed and Cited as Entry Number 1 in 5.9 RECORD OF DECISION (ROD) Record of Decision (ROD)].
- Cross-Reference: "Transcript: Public Meeting on Proposed Plan, Aberdeen Pesticides Dump Site, Operable Unit 5, Groundwater, McIver Dump and Route 211 Areas". (January 1999) [Filed and cited as Attachment D (Appendix A) to Entry 2 in 5.9 RECORD OF DECISION (ROD) - Record of Decision (ROD)].

13. 9 Fact Sheets

- Cross Reference: "Superfund Fact Sheet Interim Action Proposed Plan Aberdeen Pesticide Dumps Site - Operable Unit #5 - Groundwater Interim Action at the Route 211 Area - Aberdeen, North Carolina," EPA Region 4. (July 02, 1997) [Filed and cited in Entry Number 1 of 4.10 FEASIBILITY STUDY (FS) - Proposed Plans for Selected Remedial Action]
- "Interim Record of Decision Fact Sheet Aberdeen Pesticide Dumps Superfund Site Operable Unit #5, Groundwater at Route 211 - Aberdeen, Moore county, North Carolina," EPA Region 4. (October 1997)
- Cross Reference: "Proposed Plan Fact Sheet, Aberdeen Pesticides Dump Site, Operable Unit 5 Groundwater, McIver Dump and Route 211 Areas," prepared by EPA Region IV. (January 1999)
 [Filed and cited in Entry Number 2 of 4.10 FEASIBILITY STUDY (FS) Proposed Plans for
 Selected Remedial Action]

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13.0 COMMUNITY RELATIONS

13. 9 Fact Sheets

4. "Record of Decision Fact Sheet, Aberdeen Pesticide Dumps Site Operable Unit #5 - Groundwater, McIver Dump and Route 211 Areas, Aberdeen, Moore County, North Carolina". (June 1999)